EUF 2012 - 25cm

23/03/2016

r=b=> V(b)= 0= Alnk+B

$$\frac{V(r) = V_0 \ln \left(\frac{c}{b}\right)}{\ln \left(\frac{c}{b}\right)} = \frac{1}{b} = \frac{1}{b} \frac{1}{\ln \left(\frac{c}{b}\right)} = \frac{1}{b} \frac{1}{\ln \left(\frac{c}{b}\right)} = \frac{1}{b} \frac{1}{\ln \left(\frac{c}{b}\right)}$$

c)
$$\int eds = Q$$
, $e(Q) \int_{0}^{1} = 2 es$:

$$Q = E_{0} \int_{0}^{1} \sqrt{2} \int_{0}^{1} dd = \frac{2 \hat{n} \sqrt{2} \cdot \hat{k}}{\ln (\frac{1}{6})} = \frac{C}{\ln (\frac{1}{6})} = \frac{C}{\ln (\frac{1}{6})}$$

$$\frac{d}{dt} = \frac{1}{\sqrt{dt}} = \frac{$$

03
a) p= h
hth= zhr = 7 ht = more

w= nt

mr = 7 EUF 2018-Zen 23/03/2016 E = Im(15) 2 - e = 125 . em - 22 em
2 mer) - e = 2 me. (456 22) 2 (966) Exte E=1 em - eme - eme - eme - eme - eme C) t, +13,6. 136 15 136 E3 = E1 = -13,6 = -1,5 cv d Ez = -3,6 eV or DEZZIFSEV Eq = -13.6 = -0.85 E= hc => $\lambda = \frac{hc}{7.75} = \frac{4.19.10^{-13}}{7.75} = \frac{3.10^{8}}{7.75}$ X= 4,14.10==>/914 nm/ attender round

C) estabilitation (EUF 2012 - Zen 72 23/03/2016

c) estabilitation established and appeared 191 (-) 200 (-) 20 7027, 1 37 107 177 7772 d) wzgz-41 = cpat-cpap= cp[(Ti=N)-(Ty-Tz)]=> [w= cp(Tz+Tz-ZT] occel (ellps plantes motion) = vo.m. vosin 300 S

$$(Q_{-\alpha})_{F=-KX=7} = \sum_{i=1}^{\infty} \sum_{j=1}^{\infty} \sum_{j=1}^{\infty} \sum_{i=1}^{\infty} \sum_{j=1}^{\infty} \sum_{j=1}$$

$$10^{\frac{3}{2}} = 0.450 \cdot w^{\frac{3}{2}} \cdot 10^{\frac{4}{9}} = 10^{\frac{3}{20}} = 10^{\frac{3}$$

21/13/cons

Of.

$$(-\frac{1}{2}\frac{3}{4}\frac{1}{2}) = E \psi(x)$$

OCKCA

b)
$$\frac{\partial u(x)}{\partial x^2} + u^2 u(x) = 0$$
 =) $u = 2m = 3$

$$\frac{\partial u(x)}{\partial x^2} + u^2 u(x) = 0$$

$$\frac{\partial u(x)}{\partial x} + u^2 u(x) = 0$$

$$\frac{\partial$$

c)
$$\frac{1}{2x^2} + \frac{1}{4(x)} \left(\frac{1}{x^2} - \frac{1}{x^2} \right) = 0$$
(A+ x) = 1+xx

(A+ x) = 1+xx

(A+ x) = 1+xx

$$E_{n} = \frac{1}{2} \left[\int \frac{w_{0}s_{n}(\bar{x})}{\sqrt{a}} \cdot \frac{z_{0}s_{n}^{2}(\bar{x})}{\sqrt{a}} \cdot \frac{z_{0}s_{n}^{2}(\bar{x})}{\sqrt{a}} \right] dx$$

$$E_{n} = \frac{1}{2} \left[\int \frac{w_{0}s_{n}(\bar{x})}{\sqrt{a}} \cdot \frac{z_{0}s_{n}^{2}(\bar{x})}{\sqrt{a}} \cdot \frac{z_{0}s_{n}^{2}(\bar{x})}{\sqrt{a}} \right] dx$$

$$= \frac{1}{2} \left[\int \frac{w_{0}s_{n}(\bar{x})}{\sqrt{a}} \cdot \frac{z_{0}s_{n}^{2}(\bar{x})}{\sqrt{a}} \cdot \frac{z_{0}s_{n}^{2}(\bar{x})}{\sqrt{a}} \right] dx$$

$$\frac{1}{4} = \frac{1}{4} \left[\frac{1}{4} \frac{1}{4}$$

$$\begin{array}{c}
(3) & \text{ind } \log + \log + \log \sin + \log \cos +$$

$$\frac{\mathcal{E}_{0}(f)}{df} = \frac{2012.2 \text{ 25c}}{25c} \qquad \frac{2063}{25c}$$

$$\frac{\partial}{\partial f} = \frac{\partial}{\partial f} =$$